

EXHIBIT 5

CERTIFICATE OF REGISTRATION



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

FORM TX

For a Nondramatic Literary Work
UNITED STATES COPYRIGHT OFFICE

TXu 1-036-063



#TXu01036063*

EFFECTIVE DATE OF REGISTRATION

JUN 14 2002

Month Day Year

OFFICIAL SEAL

REGISTER OF COPYRIGHTS
United States of America

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

1

TITLE OF THIS WORK ▼

Cisco IOS 11.2

PREVIOUS OR ALTERNATIVE TITLES ▼ Cisco IOS Release 11.2; Cisco IOS Version 11.2; Cisco Internetwork Operating System 11.2; Cisco Internetwork Operating System Release 11.2; Cisco Internetwork Operating System Version 11.2

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared. Title of Collective Work ▼

If published in a periodical or serial give: Volume ▼ Number ▼ Issue Date ▼ On Pages ▼

2

NAME OF AUTHOR ▼

a Cisco Systems, Inc.

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?

 Yes No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR

Citizen of ▶

Domiciled in ▶ United States

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? Yes No
Pseudonymous? Yes No

If the answer to either of these questions is "Yes," see detailed instructions.

NOTE

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

b

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

New and revised computer code and accompanying documentation

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

NAME OF AUTHOR ▼

See Attached Form TX/CON for Additional Authors

Was this contribution to the work a "work made for hire"?

 Yes No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR

Citizen of ▶

Domiciled in ▶

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? Yes No
Pseudonymous? Yes No

If the answer to either of these questions is "Yes," see detailed instructions.

c

NATURE OF AUTHORSHIP ▼

Briefly describe nature of material created by this author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

See Attached Form TX/CON for Additional Authors

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 Yes No

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Name of Country

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Citizen of ▶

Domiciled in ▶

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? Yes No
Pseudonymous? Yes No

If the answer to either of these questions is "Yes," see detailed instructions.

3

a

YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED

This information must be given
1996

Year in all cases.

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK

Complete this information Month ▶ Day ▶ Year ▶ Nation ▶

4

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2. ▼

Cisco Technology, Inc.
170 West Tasman Drive
San Jose, CA 95134

See instructions before completing this space.

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

By agreement

DO NOT WRITE HERE
OFFICE USE ONLYAPPLICATION RECEIVED
JUN 14 2002ONE DEPOSIT RECEIVED
JUN 14 2002

TWO DEPOSITS RECEIVED

FUNDS RECEIVED

MORE ON BACK ▶ • Complete all applicable spaces (numbers 5-9) on the reverse side of this page.
• See detailed instructions. • Sign the form at line 8.

DO NOT WRITE HERE

Page 1 of 4 pages

EXAMINED BY

TMS

FORM TX

CHECKED BY

CORRESPONDENCE

 YesFOR
COPYRIGHT
OFFICE
USE
ONLY

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

 Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box.) ▼a. This is the first published edition of a work previously registered in unpublished form.b. This is the first application submitted by this author as copyright claimant.c. This is a changed version of the work, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number ▶

Pending

Year of Registration ▶

2002

5

DERIVATIVE WORK OR COMPILED

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

Prior works by claimant and preexisting third party computer code

a

6

See instructions
before completing
this space.

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

New and revised computer code and accompanying documentation

b

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.
Name ▼ Account Number ▼

a

7

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/ZIP ▶

Tu T. Tsao, Esq.

Fenwick & West LLP

2 Palo Alto Square

Palo Alto, CA 94306

Fax number ▶

(650) 494-1417

Area code and daytime telephone number ▶ (650) 858-7696

Email ▶ tttsao@fenwick.com

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check only one ▶

author
 other copyright claimant
 owner of exclusive right(s)
 authorized agent of Cisco Technology, Inc.
 Name of author or other copyright claimant, or owner of exclusive right(s) ▲

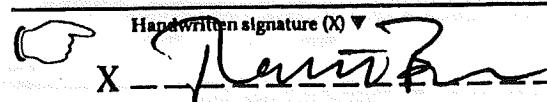
b

8

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert A. Barr, Worldwide Patent Counsel

Date ▶


 Handwritten signature (X) ▶
 X — Robert A. Barr —

Certificate
will be
mailed in
window
envelope
to this
address:

Name ▼ Susanne S. Morales, Paralegal / Fenwick & West LLP
 Number/Street/Apt ▼ 2 Palo Alto Square
 City/State/ZIP ▼ Palo Alto, CA 94306

YOU MUST:

- Complete all necessary spaces
- Sign your application in space 8

SEND ALL 3 ELEMENTS
IN THE SAME PACKAGE:

1. Application form
2. Nonrefundable filing fee in check or money order As of July 1, 1999, the filing fee for Form TX is \$30.
3. Deposit material

MAIL TO:

Library of Congress
 Copyright Office
 101 Independence Avenue, S.E.
 Washington, D.C. 20559-6000

*17 U.S.C. § 506(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.

June 1999—200,000
WEB REV: June 1999

PRINTED ON RECYCLED PAPER

U.S. GOVERNMENT PRINTING OFFICE: 1999-454-879/49

9

9

CONTINUATION SHEET FOR APPLICATION FORMS

- This Continuation Sheet is used in conjunction with Forms CA, PA, SE, SR, TX, and VA, **only**. Indicate which basic form you are continuing in the space in the upper right-hand corner.
- If at all possible, try to fit the information called for into the spaces provided on the basic form.
- If you do not have enough space for all the information you need to give on the basic form, use this Continuation Sheet and submit it with the basic form.
- If you submit this Continuation Sheet, clip (do not tape or staple) it to the basic form and fold the two together before submitting them.
- **Space A of this sheet is intended to identify the basic application.** Space B is a continuation of Space 2 on the basic application. Space B is not applicable to Short forms. Space C (on the reverse side of this sheet) is for the continuation of Spaces 1, 4, or 6 on the basic application or for the continuation of Space 1 on any of the three Short Forms PA, TX, or VA.

DO NOT WRITE ABOVE THIS LINE. FOR COPYRIGHT OFFICE USE ONLY

A
Identification
of
Application

IDENTIFICATION OF CONTINUATION SHEET: This sheet is a continuation of the application for copyright registration on the basic form submitted for the following work:

- **TITLE:** (Give the title as given under the heading "Title of this Work" in Space 1 of the basic form.)

Cisco IOS 11.2

- **NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S):** (Give the name and address of at least one copyright claimant as given in Space 4 of the basic form or Space 2 of any of the Short Forms PA, TX, or VA.)

Cisco Technology, Inc., 170 West Tasman Drive, San Jose, CA 95134

B
Continuation
of Space 2

NAME OF AUTHOR ▼
(See Space C)

d

Was this contribution to the work **AUTHOR'S NATIONALITY OR DOMICILE**
a "work made for hire"? Yes No
Name of Country
OR Citizen of ► _____
Domiciled in ► _____

DATES OF BIRTH AND DEATH
Year Born▼ Year Died▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No If the answer to either of these questions is "Yes," see detailed instructions.
Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born▼ Year Died▼

e

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Name of Country
OR Citizen of ► _____
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NAME OF AUTHOR ▼

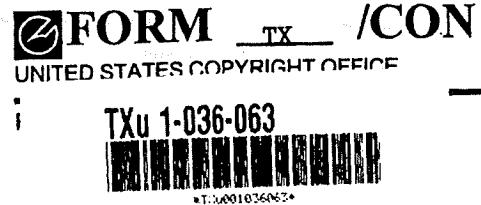
DATES OF BIRTH AND DEATH
Year Born▼ Year Died▼

f

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P A P A U S E S E G S E U S R S R U T X T X U V A V A U

EFFECTIVE DATE OF REGISTRATION

JUN 14 2002

(Month) (Day) (Year)

CONTINUATION SHEET RECEIVED

JUN 14 2002

Page 3 of 4 pages

CONTINUATION OF (Check which): Space 1 Space 4 Space 6 Space 2b

Name of Author	Work for Hire	Domicile	Anonymous	Pseudo-nymous	Nature of Contribution
ABE Staffing Services, Inc.	Yes	United States	Yes	No	Computer code
HCL America, Inc.	Yes	United States	Yes	No	Computer code
HCL Consulting Limited	Yes	India	Yes	No	Computer code
Network Aware, Inc.	Yes	United States	Yes	No	Computer code
Metaplex, Inc.	Yes	United States	Yes	No	Computer code
Nano Solutions	Yes	United States	Yes	No	Documentation
NSA	Yes	United States	Yes	No	Documentation
Oakhill Publications/ Computer Education Consulting	Yes	United States	Yes	No	Documentation
Rick Barron	No	United States	Yes	No	Documentation
Bev Talbot	No	United States	Yes	No	Documentation

C
Continuation
of other
Spaces

Certificate
will be
mailed in
window
envelope
to this
address:

Name ▼
Susanne S. Morales, Paralegal / Fenwick & West LLP

Number/Street/Apt ▼

2 Palo Alto Square

City/State/ZIP ▼

Palo Alto, CA 94306

YOU MUST:
• Complete all necessary spaces
• Sign your application

**SEND ALL 3 ELEMENTS
IN THE SAME PACKAGE:**

1. Application form
2. Nonrefundable fee in check or money order payable to Register of Copyrights
3. Deposit Material

MAIL TO:
Library of Congress, Copyright Office
101 Independence Avenue, S.E.
Washington, D.C. 20559-6000

D
Fees are effective
through June 30,
2002. After that date,
check the Copyright
Office Website at
www.loc.gov/copyright
or call (202)
707-3000 for current
fee information.